

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-183902

(43)Date of publication of application : 15.07.1997

(51)Int.Cl.

C08L 83/04

C08K 5/54

C09J183/04

(21)Application number : 08-344272

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(22)Date of filing : 24.12.1996

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(30)Priority

Priority number : 95 576114 Priority date : 21.12.1995 Priority country : US

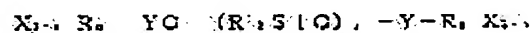
(54) AQUEOUS SILICONE EMULSION WHICH FORMS SILICONE ELASTOMER
HAVING IMPROVED ADHESION TO SUBSTRATE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an aqueous silicone emulsion having improved storage stability and adhesion by mixing water with a surfactant, a crosslinking agent, a tin condensation catalyst, a specified diorganosiloxane polymer, a specified amino-functional siloxane and an acid.

SOLUTION: A diorganosiloxane polymer represented by formula I [wherein (n) is 0-3; (z) is 200-15; X is hydroxyl or a hydrolyzable group; R is a 1-5C (un) substituted monovalent hydrocarbon group; R1s are each X or R, provided that at least 90% of them are Rs; Y is Si, -Si-(CH2)mSiR12-group, -Si-(CH2)m-SiR12- SiR12-(CH2)mSiR12-group and (m) is a positive integer] is mixed with water, a surfactant, a

crosslinking agent, a tin condensation catalyst, an amino- functional siloxane prepared by reacting an amino-functional silane represented by formula II [wherein A is a hydrolyxable group; Z is O or NR2; R2 is H or a 1-15C (un)substituted monovalent hydrocarbon group; (p) and (q) are each 2-10; and (r) is 0-3] with a hydroxyl-terminated organosiloxane represented by formula III (wherein R4 is R; and (b) is 4-80) and an acid.



I



II



III

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]